

IN THE DRAWINGS:

Fig. 2 has been amended to replace the reference numeral 32 with the number 31, and to replace the original reference number 31 with the reference numeral 32.

REMARKS

Claims 1 through 51 are in this application and are presented for consideration. Claims 1, 7, 8, 15-18, 23, 29, 31, 35, 40, 41, and 44 have been amended. New claims 47 through 51 have been added.

The specification, drawings and claims have been amended to address the Examiner's objections, and to place the application in better form. Applicant thanks the Examiner for the careful reading of this application, and for pointing out discrepancies.

The independent claims have been rejected as being obvious over Huang '332 in view of Brunner '554.

New claim 47 has been added to set forth that the protective device is directly connected to the lightbulb, to the connecting portion and to the insulation at the ends of the lead wires. In the embodiment of figure 1, this protective device is shown by reference 5. Huang '332 is used to teach the protective device, and the rejection indicates that this structure is shown in figure 7 of '332. Applicant has reviewed figure 7 of '332 and finds no teaching nor suggestion of any structure which is directly connected to a light bulb, to a connecting portion and to insulation at ends of lead wires. Figure 7 of '332 shows a shell part 1. However this element 1 is not directly connected to a light bulb and a connecting portion. The connecting portion is set forth in new claim 47 as the portion where the conductor of the lead wire connects to the lead frames. Since element 1 of '332 does not have the same relationship with a light bulb and a connecting portion as set forth in claim 47, element 1 of '332 cannot anticipate the protective device of claim 47.

Applicant also finds no other structure in 332 which directly connects to insulation at the end of a lead wire, to a light bulb and to a connecting portion between a conductor of the lead wire and a lead frame. Applicant notes that 332 does appear to show structure connected to elements 21 and 2. However 332 does not show a connecting portion between a conductor of a lead wire and a lead frame. Therefore 332 fails to show any structure connected to such a connecting portion. Since 332 fails to show any structure similar to the protective device of claim 47, 332 can not anticipate the protective device. Applicant also finds no teaching nor suggestion of the protective device in 554. Therefore a combination of 332 and 554 cannot cause claim 47 to be obvious.

Claims 1 and 18 have been amended to set forth that the protective device directly holds the LED light bulb, the electrical connecting portion and a bent insulator positioning portion. As described above with regard to new claim 47, 332 fails to describe a connecting portion which "directly" connects to all of these elements, especially element 1 of 332. Therefore 332 does not have structure with the same relationship as the protective device of the amended claims 1 and 18. 332 therefore cannot anticipate amended claims 1 and 18.

Claim 47 also sets forth that the insulation at the end of the lead wires is bent away from the conductor and extends radially outward from the conductor. Applicant finds no teaching nor suggestion in 332 or 554 of any insulation which is bent away from the conductor and extends radially outward from the conductor. Claim 47 therefore further defines over the prior art.

New claim 49 sets forth that the protective device is molded around the light bulb, the

ends of the lead wires, the ends of lead frames and the connecting portion. Applicant finds no teaching nor suggestion in the prior art of any protective device which is molded around ends of lead wires, lead frames and a connecting portion. Element 1 of 332 is not molded around such structure, and '332 is silent with regard to how the element between 21 and 2 is formed. Since the further features of the protective device in claim 49 are not described in the prior art, claim 49 further defines over the prior art.

Independent claim 41 sets forth the step of separating the end of the insulating lead wires into at least two plates. Applicant finds no teaching nor suggestion of this step in the prior art. The rejection is does not indicate where this step can be found in the prior art. Applicants review of 332 finds this reference to be silent with regard to how the insulation is removed from a wire to expose a conductor. All the steps of claim 41 are therefore not present in the prior art and claim 41 therefore defines over the prior art.

Independent claimed 44 sets forth the step of separating the end of the insulating lead wires to expose the conductor. Applicant finds no teaching nor suggestion of this step in the prior art. The rejection does not indicate where this step can be found in the prior art. Applicants review of 332 finds this reference to be silent with regard to how the insulation is removed from a wire to expose a conductor. All the steps of claim 44 are therefore not present in the prior art and claim 44 therefore defines over the prior art.

Independent claim 31 sets forth a protective device for holding an opening formed by the backward bending and the sideward extension of the top of the insulating lead wires. Applicant finds no teaching no suggestion of such a protective device in 332. In particular

applicant finds no teaching nor suggestion of an opening formed by the backward bending and the sideward extension of the top of the insulating lead wires. The rejection does not indicate where this opening can be found in the prior art. Since a 332 does not describe this opening, 332 correspondingly can not describe a structure for holding this opening. Claim 31 therefore also defines over the prior art.

Independent claim 31 sets forth a plurality of light emitting elements and a protective device for holding the entirety or parts of the light emitting elements. Reference 332 does not describe a protective device holding an entirety or parts of light emitting elements, and therefore claim 31 further defines of the prior art.

If the Examiner has any comments or suggestions which would further favorable prosecution of this application, the Examiner is invited to contact Applicant's representative by telephone to discuss possible changes.

At this time Applicant respectfully requests reconsideration of this application, and based on the above amendments and remarks, respectfully solicits allowance of this application.

Respectfully submitted
for Applicant,

By: 

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